

## QPDO-E-10-37.17

External Reference, 10MHz, 37.17GHz

### Features:

- \* High Frequency Stability
- \* Ultra Low Phase Noise

### Applications:

- \* Wireless
- \* Transceiver
- \* Laboratory Test
- \* Radar

### Electrical

Output Frequency:	37.17GHz
Output Power:	10dBm min.
Reference Input Power:	0~+5dBm
Output Spurious:	-65dBc max. @±(10MHz to 2GHz)
Output Harmonics:	-20dBc max. @7.7925GHz, 15.585GHz, 23.3775GHz
External Reference:	10MHz (-120dBc/Hz max. @10Hz -140dBc/Hz max. @100Hz -155dBc/Hz max. @1KHz -165dBc/Hz max. @10KHz -165dBc/Hz max. @100KHz)
Output Phase Noise:	-65dBc/Hz max. @100Hz -85dBc/Hz max. @1KHz -85dBc/Hz max. @10KHz -98dBc/Hz max. @100KHz -110dBc/Hz max. @1MHz
Voltage:	+12±0.5V DC
Current:	700mA max. (first) 450mA max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

### Environmental

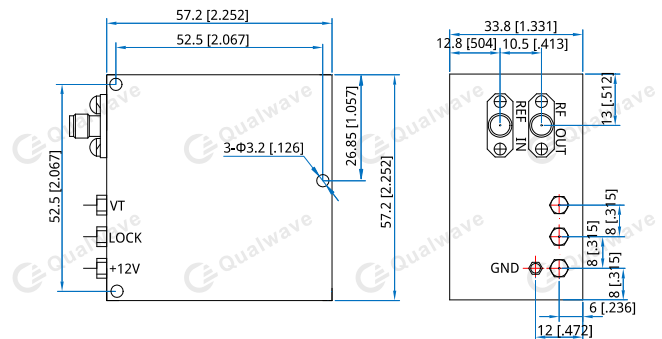
Operating Temperature:	-55~+50°C
Non-operating Temperature:	-55~+85°C

### Mechanical

Size*1:	57.2*57.2*33.8mm 2.252*2.252*1.331in
RF In Connectors:	SMA Female
RF Out Connectors:	2.92mm Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	3-Φ3.2mm through-hole

[1] Exclude connectors.

### Outline Drawings



Unit: mm [in]  
Tolerance: ±0.2mm [±0.008in]

### How To Order QPDO-E-10-37.17

Customization is available upon request.